



Mediatrix[®]

4108iPBX

The Mediatrix 4108 iPBX is a fully-featured IP-PBX offering 8 FXS ports.

⊗ Key Benefits

iPBX Functionalities

- Easy-to-use web administration
- Support home and mobile users
- Survivability in case on network failure
- Multiple voice service providers
- Detailed call reports
- English/Spanish

Calling Functionalities

- Up to 8 simultaneous users
- Up to 25 SIP Users registrations

Voice Functionalities

- Carrier-grade voice quality
- Fax over IP support, including T.38
- PSTN bypass

Ease of configuration and management

- Automatic firmware and configuration file download
- SNMP and web management
- TFTP or HTTP auto-provisioning
- TR-069 for massive deployments (optional feature available at purchase time)



⊗ Overview

The Mediatrix 4108 iPBX performs IP-PBX functionalities while providing SIP Trunk terminations for a remote Service Provider and offering telephony interfaces for Fax, Modems and Analog phones.

The Mediatrix 4108 iPBX enables cost-effective VoIP deployments in medium-size branch offices and multi-tenant applications.

It is also a "Green" Product: consuming 18W, only 20% of the power consumption of a PC, helping to reduce Operating Costs.

In addition, an intelligent PSTN bypass allows Mediatrix 4108 iPBX users to make emergency calls and maintain their phone service in the event of a power outage.

⊗ PBX Call Features

- SIP Authentication
- Automated Attendant
- Blacklists
- Blind Transfer
- Call Back
- Call Detail Records (CDR)
- Call Forward on Busy
- Call Forward on No Answer
- Call Forward Unconditional
- Call Monitoring
- Call Parking
- Call Queuing
- Call Retrieval
- Call Routing (DID & ANI)
- Call Snooping
- Call Waiting (driven by the UA)
- Caller ID

Media5 Sales Department

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- Caller ID Blocking
- Caller ID on Call Waiting (driven by the UA)
- Calling Cards (PIN dialling)
- Conference Bridging
- Interactive Directory Listing
- Direct Inward Dialling
- Distinctive Ring
- Do Not Disturb
- Interactive Voice Response (IVR)
- IVR day/night mode
- Local and Remote SIP user agents registration
- Music On Hold
- Music On Transfer
- Remote Call Pickup
- Ring groups
- Roaming Extensions
- Route by Caller ID
- Supervised Transfer (driven by the UA)
- SIP Trunking
- Voicemail:
- Web Voicemail Interface
- Three-way Calling (driven by the UA)

☒ Technical Specifications

IP Telephony Protocol

- SIP – RFC 3261

Management

- Web-based GUI
- HTTP/HTTPS/FTP/TFTP configuration up- and download (Auto-provisioning)
- TFTP, HTTP firmware upgrade
- SNMPv1, v2 and v3 agent (MIB II and private MIB)
- TR-069 for massive deployments (optional feature available at purchase time)
- RADIUS
- SYSLOG
- TELNET
- SSHv2

WAN Connection

- 1 x 10/100 Base T Ethernet RJ-45 connector

Analog Connection

- 8 x RJ-11 connectors, analog phone/fax (FXS) interfaces.

QoS

- TOS/DiffSery
- IEEE 802.1p/Q

Operating Environment

- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 70°C
- Humidity: up to 85%, non-condensing

Power Supply

- AC: Standard power cord receptacle (IEC 320-C14) for universal AC input internal SMPS

Unit Dimensions and Weight

- 4.4 cm x 43 cm x 21 cm - 1.74 in. x 17.19 in. x 8.4 in. (approx.)
- 1.7 kg (3.7 lbs) approx.

☒ Technical Specifications – FXS Ports

Voice Processing

- Vocoders: G.711 (A-law, μ -law), G.723.1, G.726, G.729a/b
- G.168 echo cancellation (64ms)
- DTMF detection and generation
- Carrier tone detection and generation
- Echo Cancellation / Voice Activity Detection
- Silence detection / suppression and Comfort Noise Generation level software adjustable
- Configurable tones (dial, ringing, busy)
- Configurable transmit packet length
- RTP/RTCP - RFC 1889, RFC 1890, RFC 2833, RFC 3389

Fax and Modem Support

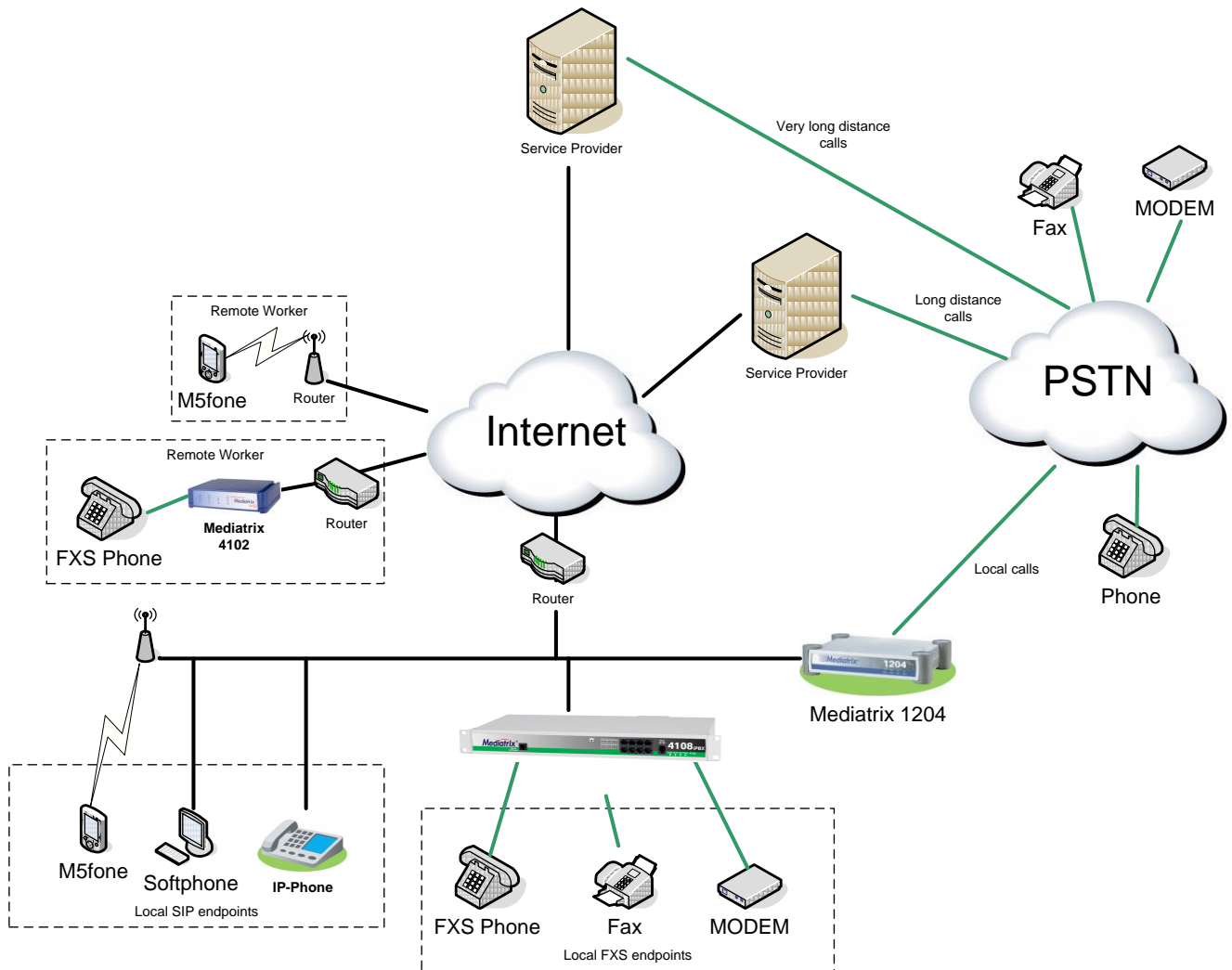
- Group 3/Super G3 Fax real-time FoIP over clear channel (G.711), G.726 or T.38
- T.38 Fax relay (9.6 k, 14.4 k)
- G.711 Fax and Modem Bypass
- T.38, fax tone detection and pass-through on G.711 and G.726

FXS Telephony Features

- Message Waiting Indication, via FSK
- Flash hook event signaling
- Caller ID Generation (Name & Number) as per Bellcore DTMF or FSK

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